

Docket No. F-7212

Ser. No. 10/009,881

**APPENDIX I****ALL PENDING CLAIMS WITH AMENDMENTS EFFECTED THEREIN**

1. Method for manufacturing a patient-specific implant, comprising  
generating a virtual three-dimensional model from image data of at least the  
patient's implant area and the environment thereof,

comparing the virtual three-dimensional model to real medical reference  
data,

selecting from the real medical reference data a set of said reference data  
best suited for the patient and forming a reference model object therefrom, the step  
of selecting the set of said reference data best suited for the patient and forming a  
reference model object therefrom comprising

first selecting a plurality of sets of the reference data and forming  
a corresponding plurality of reference model objects therefrom most resembling the  
patient considering mathematical, functional, medical and aesthetic parameters, and

then selecting one of said plurality of reference model objects best  
suited for the patient,

generating a virtual implant model from said selected one of said plurality  
of reference model objects by superimposing said selected one of said plurality of  
reference model objects with the virtual three-dimensional model, and

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manufacturing the implant by computer numeric control based on data from the virtual implant model.

2. Method as claimed in claim 1, wherein the real medical reference data comprise a database.

4. Method as claimed in claim 1 or 2, wherein the real medical reference data comprises data from the patient.

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